

DECLARATION

Atty Dkt No. YOR920030437US1 (8728-653)

AS BELOW NAMED INVENTOR, I hereby declare that:
My residence, post office address and citizenship are as stated next to my name.
I believe that I am the original, first and sole (*if only one name is listed below*), or an original, first and joint inventor (*if plural names are listed below*), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE: METHOD FOR OPTIMIZATION OF LOGIC CIRCUITS FOR ROUTABILITY

the specification of which either is attached hereto or indicates an attorney docket no. YOR920030437US1 (8728-653), or:

☒ was filed in the U.S. Patent & Trademark Office on February 17, 2004 and assigned Serial No. 10/780,140,

☐ and (*if applicable*) was amended on _____,

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability and to the examination of this application in accordance with Title 37 of the Code of Federal Regulations §1.56. I hereby claim foreign priority benefits under Title 35, U.S. Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign applications for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Priority Claimed:

(Application Number)	(Country)	(Day/Month/Year filed)
----------------------	-----------	------------------------

(Application Number)	(Country)	(Day/Month/Year filed)
----------------------	-----------	------------------------

I hereby claim the benefit under Title 35, U.S. Code, §120 of any United States application(s), or §119(e) of any United States provisional application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of Title 35, U.S. Code, §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, The Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandoned)
-----------------------------	---------------	--


(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandoned)
-----------------------------	---------------	--

I hereby appoint the following attorneys: **RICHARD M. LUDWIN**, Reg. No. 33,010; **KEVIN M. JORDAN**, Reg. No. 40,277; **CHRISTOPHER A. HUGHES**, Reg. No. 26,914; **JOHN E. HOEL**, Reg. No. 26,279; **JOSEPH C. REDMOND, Jr.**, Reg. No. 18,753; **DOUGLAS W. CAMERON**, Reg. No. 31,596; **WAN YEE CHEUNG**, Reg. No. 42,410; **THU ANN DANG**, Reg. No. 41,544; **LOUIS P. HERZBERG**, Reg. No. 41,500; **DEREK S. JENNINGS**, Reg. No. 41,473; **STEPHEN C. KAUFMAN**, Reg. No. 29,551; **DANIEL P. MORRIS**, Reg. No. 32,053; **ALISON D. MORTINGER**, Reg. No. 39,306; **LOUIS J. PERCELLO**, Reg. No. 33,206; **ROBERT M. TREPP**, Reg. No. 32,053; **GAIL H. ZARICK**, Reg. No. 43,303; **RAFAEL A. PEREZ-PINEIRO**, Reg. No. 46,041; and each of them of **INTERNATIONAL BUSINESS MACHINES CORPORATION**, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed

Frank Chau, Esq.
F. CHAU & ASSOCIATES, LLC
1900 Hempstead Turnpike, Suite 501
East Meadow, New York 11554
Tel.: 516-357-0091

I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE INVENTOR: WILLIAM E. DOUGHERTY, JR. Citizenship USA

Inventor's signature:  Date: 5/6/04

Residence: Pleasant Valley, New York 12569

Post Office Address: 662 Traver Road
Pleasant Valley, New York 12569

FULL NAME OF SECOND JOINT INVENTOR: VICTOR KRAVETS Citizenship UKRAINE

Inventor's signature: _____ Date: _____

Residence: White Plains, New York 10603

Post Office Address: 10 Lake Street, Apt 3C
White Plains, New York 10603

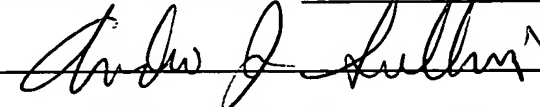
FULL NAME OF THIRD JOINT INVENTOR: PRABHAKAR N. KUDVA Citizenship INDIA

Inventor's signature: _____ Date: _____

Residence: New York, New York 10128

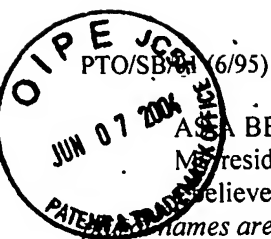
Post Office Address: 536 East, 89 Street, Apt A
New York, New York 10128

FULL NAME OF FOURTH JOINT INVENTOR: ANDREW J. SULLIVAN Citizenship USA

Inventor's signature:  Date: 5/6/04

Residence: Wappinger Falls, New York 12590

Post Office Address: 1539 Route 9D
Wappinger Falls, New York 12590



DECLARATION

Atty Dkt No. YOR920030437US1 (8728-653)

As a BELOW NAMED INVENTOR, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole (if only one name is listed below), or an original, first and joint inventor (if names are listed below), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE: METHOD FOR OPTIMIZATION OF LOGIC CIRCUITS FOR ROUTABILITY

the specification of which either is attached hereto or indicates an attorney docket no. YOR920030437US1 (8728-653), or:

☒ was filed in the U.S. Patent & Trademark Office on February 17, 2004 and assigned Serial No. 10/780,140,

☐ and (if applicable) was amended on _____,

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability and to the examination of this application in accordance with Title 37 of the Code of Federal Regulations §1.56. I hereby claim foreign priority benefits under Title 35, U.S. Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign applications for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Priority Claimed:

(Application Number)	(Country)	(Day/Month/Year filed)
----------------------	-----------	------------------------

(Application Number)	(Country)	(Day/Month/Year filed)
----------------------	-----------	------------------------

I hereby claim the benefit under Title 35, U.S. Code, §120 of any United States application(s), or §119(e) of any United States provisional application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of Title 35, U.S. Code, §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, The Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandoned)
-----------------------------	---------------	--

(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandoned)
-----------------------------	---------------	--

I hereby appoint the following attorneys: **RICHARD M. LUDWIN**, Reg. No. 33,010; **KEVIN M. JORDAN**, Reg. No. 40,277; **CHRISTOPHER A. HUGHES**, Reg. No. 26,914; **JOHN E. HOEL**, Reg. No. 26,279; **JOSEPH C. REDMOND, Jr.**, Reg. No. 18,753; **DOUGLAS W. CAMERON**, Reg. No. 31,596; **WAN YEE CHEUNG**, Reg. No. 42,410; **THU ANN DANG**, Reg. No. 41,544; **LOUIS P. HERZBERG**, Reg. No. 41,500; **DEREK S. JENNINGS**, Reg. No. 41,473; **STEPHEN C. KAUFMAN**, Reg. No. 29,551; **DANIEL P. MORRIS**, Reg. No. 32,053; **ALISON D. MORTINGER**, Reg. No. 39,306; **LOUIS J. PERCELLO**, Reg. No. 33,206; **ROBERT M. TREPP**, Reg. No. 32,053; **GAIL H. ZARICK**, Reg. No. 43,303; **RAFAEL A. PEREZ-PINEIRO**, Reg. No. 46,041; and each of them of **INTERNATIONAL BUSINESS MACHINES CORPORATION**, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed

Frank Chau, Esq.
F. CHAU & ASSOCIATES, LLC
1900 Hempstead Turnpike, Suite 501
East Meadow, New York 11554
Tel.: 516-357-0091

I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE INVENTOR: WILLIAM E. DOUGHERTY, JR. Citizenship USA

Inventor's signature: _____ Date: _____

Residence: Pleasant Valley, New York 12569

Post Office Address: 662 Traver Road
Pleasant Valley, New York 12569

FULL NAME OF SECOND JOINT INVENTOR: VICTOR KRAVETS Citizenship UKRAINE

Inventor's signature: Viktor Kravets Date: 4-19-04

Residence: White Plains, New York 10603

Post Office Address: 10 Lake Street, Apt 3C
White Plains, New York 10603

FULL NAME OF THIRD JOINT INVENTOR: PRABHAKAR N. KUDVA Citizenship USA

Inventor's signature: Prabhakar Kudva Date: 19 Apr 2004

Residence: New York, New York 10128

Post Office Address: 536 East, 89 Street, Apt A
New York, New York 10128

FULL NAME OF FOURTH JOINT INVENTOR: ANDREW J. SULLIVAN Citizenship USA

Inventor's signature: _____ Date: _____

Residence: Wappinger Falls, New York 12590

Post Office Address: 1539 Route 9D
Wappinger Falls, New York 12590



Attorney Docket No. YOR920030437US1 (8728-653)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): William E. Dougherty, Jr., Victor Kravets, Prabhakar N. Kudva,
Andrew J. Sullivan

SERIAL NO.: 10/780,140

FILED: February 12, 2004

FOR: **METHOD FOR OPTIMIZATION OF LOGIC CIRCUITS
FOR ROUTABILITY**

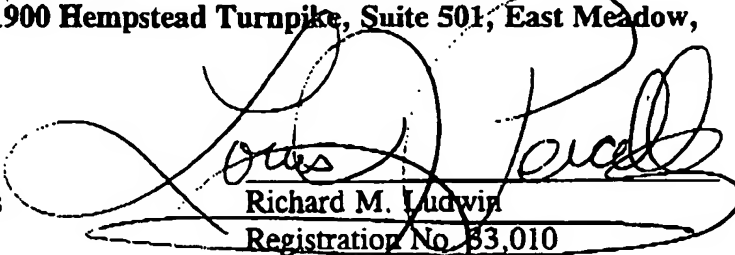
ASSOCIATE POWER OF ATTORNEY

Please recognize **FRANK CHAU**, Reg. No. 34,136; **FRANK V. DeROSA**, Reg. No. 43,584; **NATHANIEL T. WALLACE**, Reg. No. 48,909; **ERIC M. PARHAM**, Reg. No. 45,747; **MICHAEL F. MORANO**, Reg. No. 44,952; **THOMAS W. McNALLY**, Reg. No. 46,609; **KOON H. WONG**, Reg. No. 48,459, **BENJAMIN M. HALPERN**, Reg. No. 46,494, and **RICHARD D. RATCHFORD JR.**, Reg. No.: 53,865; and each of them of **F. CHAU & ASSOCIATES, LLC**, 1900 Hempstead Turnpike, Suite 501, East Meadow, New York 11554 as associate attorneys in the above-mentioned application, with full power to prosecute said application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

Telephone calls should be made to Frank Chau by dialing (516) 357-0091.

All written communications are to be sent to **Frank Chau, Esq.**, **F. Chau & Associates, LLC**, 1900 Hempstead Turnpike, Suite 501, East Meadow, New York 11554.

International Business Machines
Corporation
T.J. Watson Research Center
Route 134 and Kitchawan Road
Yorktown Heights, New York 10598



Richard M. Ludwig
Registration No. 33,010
Louis J. Percello
Registration No. 33,206
Attorney for Applicant(s)